

Day : Monday  
Date: 5/24/2004  
Time: 15:19:50

# PALM INTRANET

## Inventor Name Search Result

Your Search was:

Last Name = GRIESGRABER

First Name = GEORGE

Application#	Patent#	Status	Date Filed	Title
<u>60533024</u>	Not Issued	020	12/29/2003	PIPERAZINE, [1,4]DIAZEPANE, [1,4]DIAZOCANE, AND [1,5]DIAZOCANE FUSED IMIDAZOQUINOLINE AMINES
<u>60532191</u>	Not Issued	020	12/23/2003	1-AMINO 1H-IMIDAZOQUINOLINES
<u>60483200</u>	Not Issued	020	06/27/2003	SULFONAMIDE AND SULFAMIDE SUBSTITUTED IMIDAZOQUINOLINES
<u>60453128</u>	Not Issued	020	03/07/2003	1-AMINO 1H-IMIDAZOQUINOLINES
<u>60413848</u>	Not Issued	020	09/26/2002	1H-IMIDAZO DIMERS
<u>60403846</u>	Not Issued	159	08/15/2002	IMMUNOSTIMULATORY CONJUGATES
<u>60063712</u>	Not Issued	159	10/29/1997	6,11-BRIDGED ERYTHROMYCIN DERIVATIVES
<u>60050928</u>	Not Issued	159	05/29/1997	MULTICYCLIC ERYTHROMYCIN DERIVATIVES
<u>10752483</u>	Not Issued	030	01/06/2004	6-O-SUBSTITUTED KETOLIDES HAVING ANTIBACTERIAL ACTIVITY
<u>10734306</u>	Not Issued	041	12/12/2003	SULFONAMIDE AND SULFAMIDE SUBSTITUTED IMIDAZOQUINOLINES
<u>10696478</u>	Not Issued	041	10/29/2003	SULFONAMIDO ETHER SUBSTITUTED IMIDAZOQUINOLINES
<u>10696476</u>	Not Issued	020	10/29/2003	SULFONAMIDO ETHER SUBSTITUTED IMIDAZOQUINOLINES
<u>10681814</u>	Not Issued	041	10/07/2003	UREA SUBSTITUTED IMIDAZOQUINOLINE ETHERS
<u>10681711</u>	Not Issued	041	10/07/2003	AMIDO ETHER SUBSTITUTED IMIDAZOQUINOLINES
<u>10681457</u>	Not Issued	020	10/07/2003	AMIDO ETHER SUBSTITUTED IMIDAZOQUINOLINES

<u>10680989</u>	Not Issued	041	10/07/2003	UREA SUBSTITUTED IMIDAZOQUINOLINE ETHERS
<u>10675833</u>	Not Issued	041	09/30/2003	HETEROCYCLIC ETHER SUBSTITUTED IMIDAZOQUINOLINES
<u>10670957</u>	Not Issued	030	09/25/2003	1H-IMIDAZO DIMERS
<u>10640904</u>	Not Issued	030	08/14/2003	IMMUNOSTIMULATORY COMPOSITIONS AND METHODS OF STIMULATING AN IMMUNE RESPONSE
<u>10425054</u>	6677349	150	04/28/2003	SULFONAMIDE AND SULFAMIDE SUBSTITUTED IMIDAZOQUINOLINES
<u>10370800</u>	Not Issued	094	02/20/2003	UREA SUBSTITUTED IMIDAZOQUINOLINES
<u>10165449</u>	6664265	150	06/07/2002	AMIDO ETHER SUBSTITUTED IMIDAZOQUINOLINES
<u>10165443</u>	6677347	150	06/07/2002	SULFONAMIDO ETHER SUBSTITUTED IMIDAZOQUINOLINES
<u>10164816</u>	6660735	150	06/07/2002	UREA SUBSTITUTED IMIDAZOQUINOLINE ETHERS
<u>10028255</u>	6573273	150	12/21/2001	UREA SUBSTITUTED IMIDAZOQUINOLINES
<u>10027273</u>	Not Issued	162	12/21/2001	SULFONAMIDE AND SULFAMIDE SUBSTITUTED IMIDAZOQUINOLINES
<u>10027218</u>	Not Issued	094	12/21/2001	AMIDE SUBSTITUTED IMIDAZOQUINOLINES
<u>10013060</u>	6656938	150	12/06/2001	UREA SUBSTITUTED IMIDAZOQUINOLINE ETHERS
<u>10012599</u>	6683088	150	12/06/2001	SULFONAMIDO ETHER SUBSTITUTED IMIDAZOQUINOLINES
<u>10011921</u>	6664260	150	12/06/2001	HETEROCYCLIC ETHER SUBSTITUTED IMIDAZOQUINOLINES
<u>10011670</u>	6660747	150	12/06/2001	AMIDO ETHER SUBSTITUTED IMIDAZOQUINOLINES
<u>09647206</u>	6475985	150	09/27/2000	NUCLEOSIDES WITH ANTIVIRAL AND ANTICANCER ACTIVITY
<u>09186395</u>	6028181	150	11/04/1998	6-O-SUBSTITUTED ANTIBACTERIAL ERYTHROMYCIN KETOLIDES AND METHOD OF MAKING
<u>09185903</u>	6147197	150	11/04/1998	6-O-SUBSTITUTED ERYTHROMYCIN KETOLIDES HAVING ANTIBACTERIAL ACTIVITY
<u>09185883</u>	6075133	150	11/04/1998	6-O-SUBSTITUTED ANTIBACTERIAL ERYTHROMYCIN KETOLIDES AND METHODS OF MAKING

<u>09158459</u>	<u>6046171</u>	150	09/22/1998	6,11-BRIDGED ERYTHROMYCIN DERIVATIVES
<u>09158269</u>	Not Issued	168	09/22/1998	6,11-BRIDGED ERYTHROMYCIN DERIVATIVES
<u>09087035</u>	<u>5922683</u>	150	05/29/1998	MULTICYCLIC ERYTHROMYCIN DERIVATIVES
<u>08960400</u>	Not Issued	161	10/29/1997	6,11-BRIDGED ERYTHROMYCIN DERIVATIVES
<u>08888350</u>	<u>5866549</u>	150	07/03/1997	6-O-SUBSTITUTED KETOLIDES HAVING ANTIBACTERIAL ACTIVITY
<u>08865453</u>	Not Issued	168	05/29/1997	MULTICYCLIC ERYTHROMYCIN DERIVATIVES
<u>08841038</u>	<u>6075011</u>	150	04/29/1997	6-O-SUBSTITUTED ERYTHROMYCIN COMPOUNDS AND METHOD MAKING SAME
<u>08832741</u>	<u>5750510</u>	150	04/04/1997	3-DESLADINOSE-2, 3-ANHYDROERYTHROMYCIN DERIVATIVES
<u>08646418</u>	Not Issued	164	05/07/1996	3-DESLADINOSE-2-3-ANHYDROERYTHROMYCIN DERIVATIVES

**Inventor Search Completed: No Records to Display.**

**Search Another:  
Inventor**

**Last Name**

Griesgraber

**First Name**

George

Search

To go back use Back button on your browser toolbar.

Back to [PALM](#) | [ASSIGNMENT](#) | [OASIS](#) | [Home page](#)

10/670,957

=> d ibib abs hitstr

STN STRUCTURE SEARCH  
5.24.04

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2004:291951 CAPLUS

DOCUMENT NUMBER: 140:321358

TITLE: Preparation of imidazo[4,5-c]quinoline dimers as  
immune response modifiers

INVENTOR(S): Griesgraber, George W.

PATENT ASSIGNEE(S): 3M Innovative Properties Company, USA

SOURCE: PCT Int. Appl., 71 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

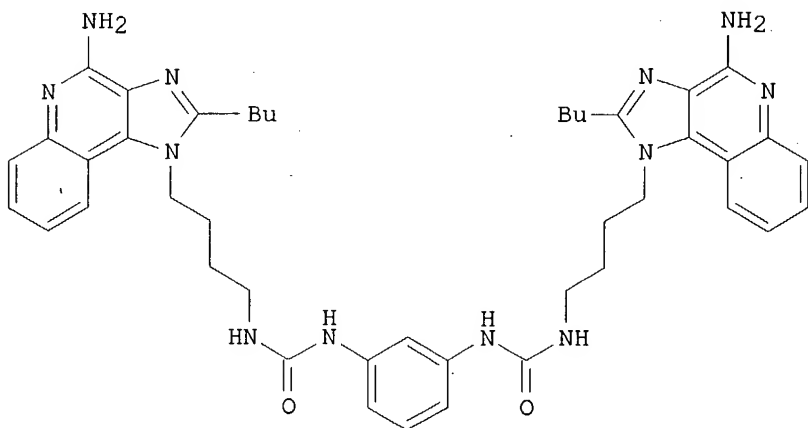
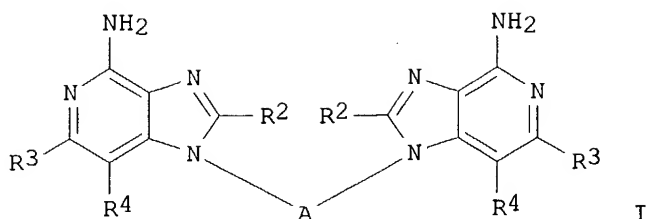
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004028539	A2	20040408	WO 2003-US30372	20030925
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

PRIORITY APPLN.. INFO.: US 2002-413848P P 20020926

OTHER SOURCE(S): MARPAT 140:321358

GI



AB Title compds. I [wherein R2 = H, (un)substituted alkyl, alkenyl, (hetero)aryl, etc.; R3, R4 = independently H, halo, alkyloxy, alkenyl, alkylthio, amino, or R3R4 = (un)substituted (hetero)aryl ring; A = alkylene, alkenylene, alkynylene, etc.; and pharmaceutically acceptable salts thereof], and analogs (4 addnl. Markush structures), were prepared as immune response modifiers. For example, reaction of 1-(4-aminobutyl)-2-butyl-1H-imidazo[4,5-c]quinolin-4-amine with 1,3-phenylene diisocyanate in CH<sub>2</sub>Cl<sub>2</sub> under N<sub>2</sub> at r.t., gave II as a white solid. II stimulated interferon  $\alpha$  and tumor necrosis factor (TNF- $\alpha$ ) biosynthesis in human blood cell at concentration of less than or equal to 10  $\mu$ M. Thus, I and their pharmaceutical compns. induce cytokines biosynthesis and are useful in the treatment of a variety of conditions including viral diseases and neoplastic diseases.

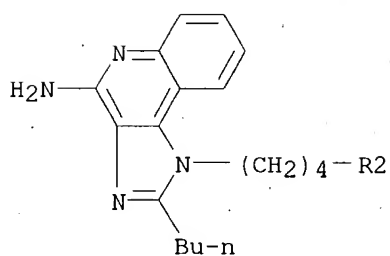
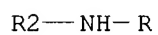
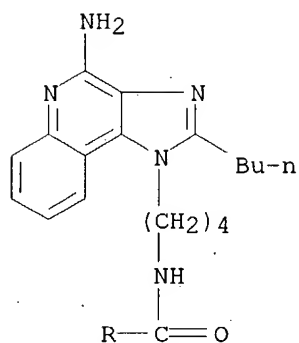
IT 677354-05-1P 677354-06-2P 677354-07-3P  
677354-08-4P 677354-09-5P 677354-10-8P  
677354-11-9P 677354-12-0P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of imidazo[4,5-c]quinoline dimers as immune response modifiers)

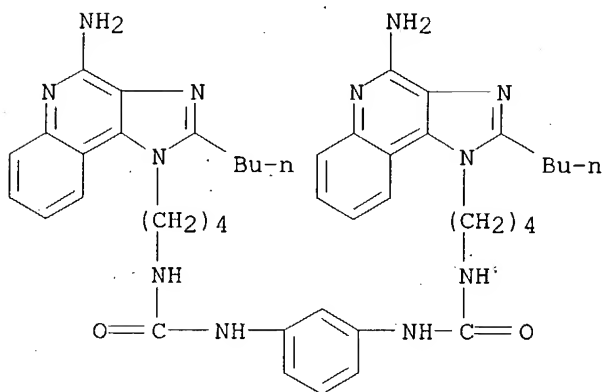
RN 677354-05-1 CAPLUS

CN Urea, N,N'-bis[4-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)butyl]-(9CI) (CA INDEX NAME)



RN 677354-06-2 CAPLUS

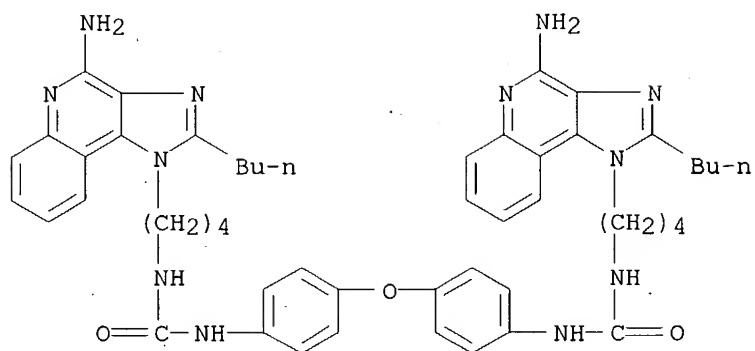
CN Urea, N,N''-1,3-phenylenebis[N'-[4-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)butyl]- (9CI) (CA INDEX NAME)



RN 677354-07-3 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

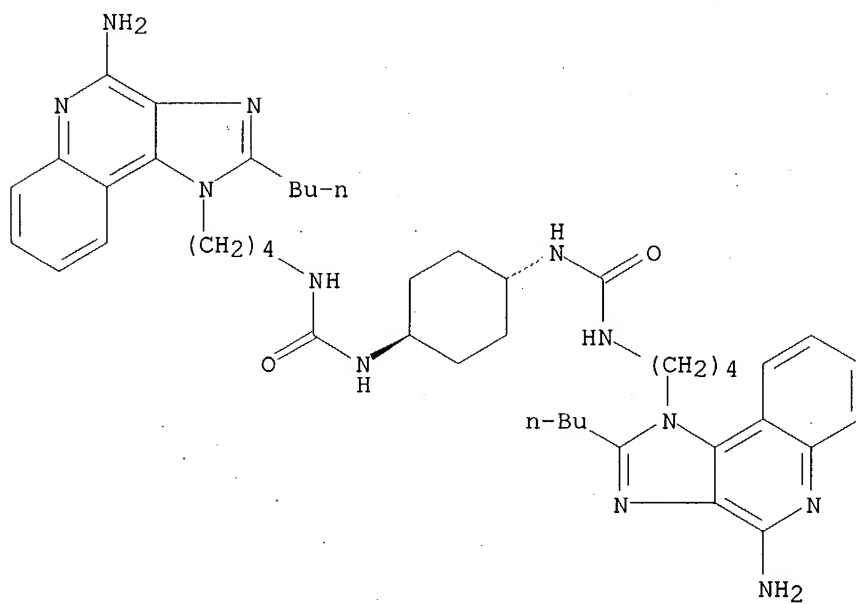
10/670,957



RN 677354-08-4 CAPLUS

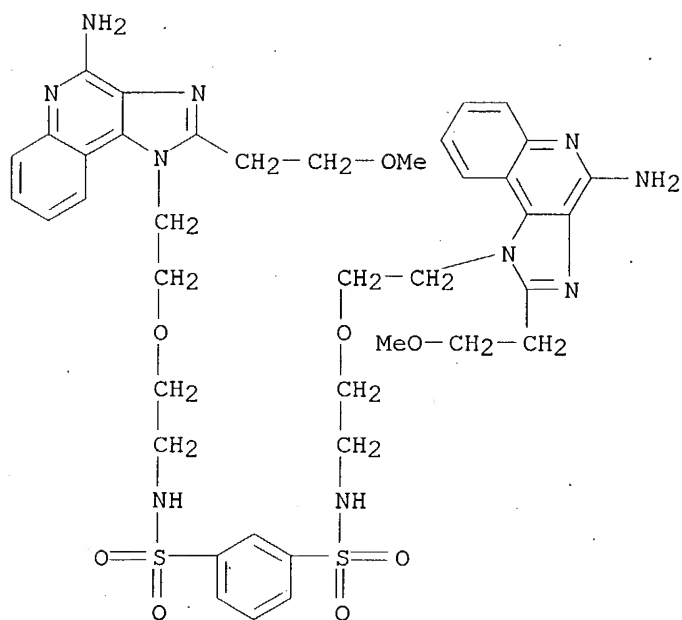
CN Urea, N,N'-trans-1,4-cyclohexanediylbis[N'-[4-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)butyl]- (9CI) (CA INDEX NAME)

Relative stereochemistry.



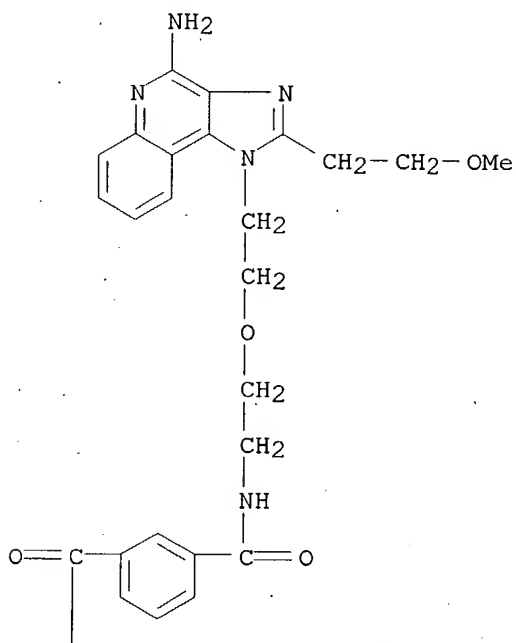
RN 677354-09-5 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

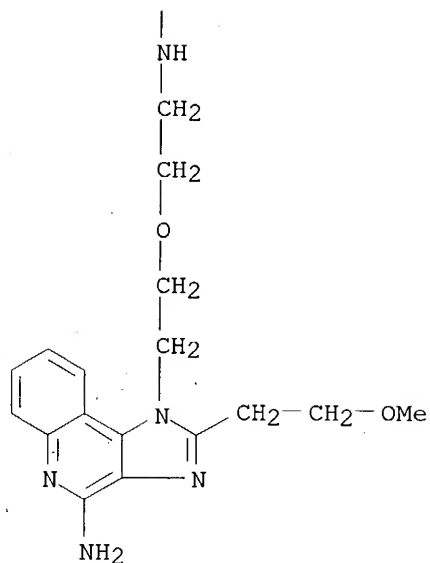


RN 677354-10-8 CAPLUS  
 CN 1,3-Benzenedicarboxamide, N,N'-bis[2-[2-[4-amino-2-(2-methoxyethyl)-1H-imidazo[4,5-c]quinolin-1-yl]ethoxy]ethyl]- (9CI) (CA INDEX NAME)

PAGE 1-A

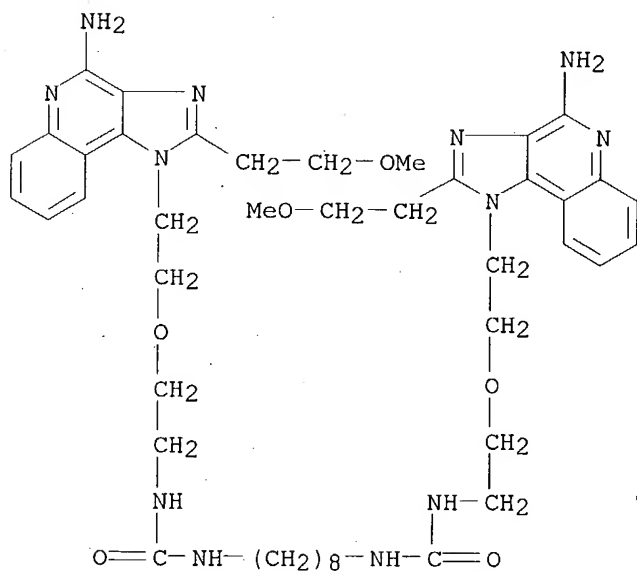






RN 677354-11-9 CAPLUS

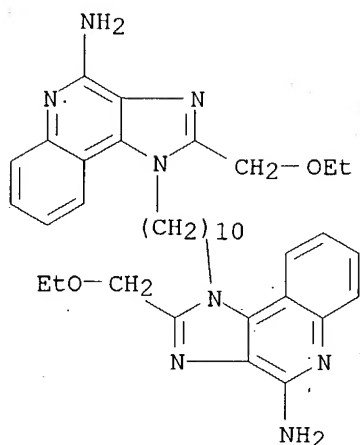
CN 16-Oxa-2,11,13-triazaoctadecanamide, 18-[4-amino-2-(2-methoxyethyl)-1H-imidazo[4,5-c]quinolin-1-yl]-N-[2-[2-[4-amino-2-(2-methoxyethyl)-1H-imidazo[4,5-c]quinolin-1-yl]ethoxy]ethyl]-12-oxo- (9CI) (CA INDEX NAME)



RN 677354-12-0 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1,1'-(1,10-decanediyl)bis[2-(ethoxymethyl)- (9CI) (CA INDEX NAME)

10/670,957



=> d his

(FILE 'HOME' ENTERED AT 15:16:05 ON 24 MAY 2004)

FILE 'REGISTRY' ENTERED AT 15:16:19 ON 24 MAY 2004

L1 STRUCTURE UPLOADED

L2 0 S L1

L3 8 S L1 FULL

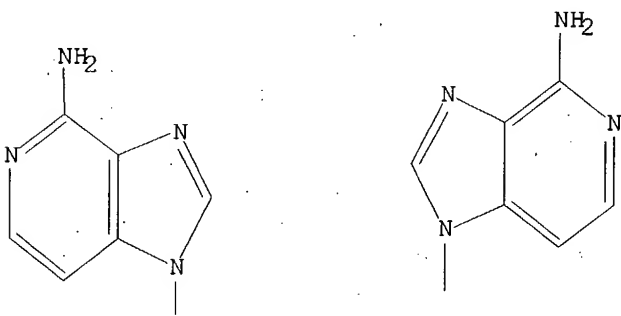
FILE 'CAPLUS' ENTERED AT 15:17:11 ON 24 MAY 2004

L4 1 S L3

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=>